

PATENT APPLICATION

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Ichio YUDASAKA et al.

Group Art Unit: Unknown

Application No.: 09/901,126

Examiner: Unknown

Filed: July 10, 2001

Docket No.: 040090.02

For: THIN FILM DEVICE PROVIDED WITH COATING FILM, LIQUID CRYSTAL PANEL AND ELECTRONIC DEVICE, AND METHOD FOR MAKING THE THIN FILM DEVICE

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- 2. The references were cited in a counterpart foreign application. An English language version of the foreign search reports are attached for the Examiner's information.
- 3. English-language Abstracts of the non-English language references are attached hereto.

4. A computer-generated English translation of the following Japanese Patent Publication has been obtained from the website of the Japanese Patent Office ([http://www.jpo.go.jp]), and is attached, but has not been reviewed for accuracy. See Reference 6 and 7.

Respectfully submitted,



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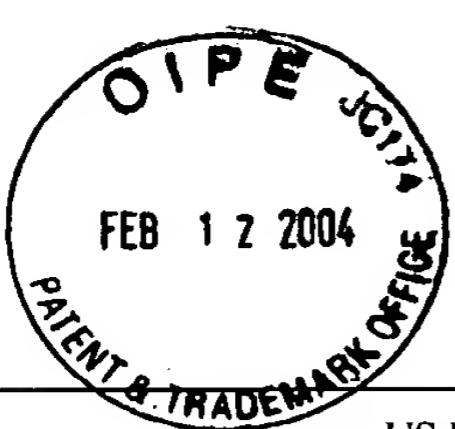
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Date: February 12, 2004

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Sheet 1 of 1

Form PTO-1449 (REV. 8-83) <span style="float: right;">US Dept. of Commerce</span> <b>PATENT &amp; TRADEMARK OFFICE</b> INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			ATTY DOCKET NO. 040090.02	APPLICATION NO. 09/901,126		
			APPLICANT(S) Ichio YUDASAKA et al.			
			FILING DATE July 10, 2001	GROUP Unknown		
<b>U.S. PATENT DOCUMENTS</b>						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	1	5,438,241	08/01/1995	ZAVRACKY et al.		
	2	5,274,481	12/28/1993	KIM		
<b>FOREIGN PATENT DOCUMENTS</b>						
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS
	3	JP 3-168613 (w/Eng. Abstr)	07/22/1991	Japan		
	4	EP 0 486 318 A1	11/15/1991	Europe		
	5	DE 196 03 451 A1 (w/Eng. Abstr)	01/31/1995	Europe		
	6	JP 6-281917 (w/Eng. Abstr&Trans)	02/28/1995	Japan		
	7	JP 7-134288 (w/Eng. Abstr&Trans)	09/29/1995	Japan		
	8	EP 0 665 449 A1	08/02/1995	Europe		
	9	JP 59 075205 (w/Eng. Abstr)	04/27/1984	Japan		
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)</b>						
<b>EXAMINER</b>					<b>DATE CONSIDERED</b>	
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						

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Datum/Date  
10.12.03

Zeichen/Ref./Réf.

EPP12478B

Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°.  
03077361.8-2203-

Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire  
SEIKO EPSON CORPORATION

## COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

abstract  title

The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

11

## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
X	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 01, 28 February 1995 (1995-02-28) & JP 06 281917 A (DAINIPPON PRINTING CO LTD), 7 October 1994 (1994-10-07) * abstract * ---	1,9,10, 14	H01L51/40 H01L27/00 H05B33/12 G02F1/1333 G09F9/30 G09F9/00
X	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 08, 29 September 1995 (1995-09-29) & JP 07 134288 A (DAINIPPON PRINTING CO LTD), 23 May 1995 (1995-05-23) * abstract * ---	1,8-10, 14	
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A	PATENT ABSTRACTS OF JAPAN vol. 015, no. 415 (P-1265), 22 October 1991 (1991-10-22) & JP 03 168613 A (DAINIPPON PRINTING CO LTD), 22 July 1991 (1991-07-22) * abstract * -----	3,5	
The present search report has been drawn up for all claims			
1	Place of search THE HAGUE	Date of completion of the search 26 November 2003	Examiner Stang, I
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
EPO FORM 1503 03.82 (P04C01)			

ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.

EP 03 07 7361

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

26-11-2003

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## ABSTRACT / ZUSAMMENFASSUNG / ABREGE

03077361.8

A method of manufacturing a matrix type display device comprising an optical material (114A) arranged at predetermined positions on a display substrate (121), the optical material being liquid at least when the optical material is applied to the predetermined positions. The method comprises the steps of enhancing the lyophilicity at each of the predetermined positions relative to the lyophilicity at a peripheral region (155) around a respective predetermined position of the predetermined positions and applying the optical material to the predetermined positions.



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10 DEC 2003

MILLER STURT KENYON

Datum/Date

10.12.03

Zeichen/Ref./Réf.

EPP12478C

Anmeldung Nr./Application No./Demande n°./Patent Nr./Patent No./Brevet n°.

03077468.1-2203-

Anmelder/Applicant/Demandeur/Patentinhaber/Propriétaire/Titulaire

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 5 438 241 A (MCQUELLAND ROBERT ET AL) 1 August 1995 (1995-08-01) * column 16, line 36 - column 17, line 7 * * column 18, line 27 - column 19, line 5 * * column 22, line 16 - line 21; figures 12,16A,16B,17L * ---	1,6	H01L51/40 H01L27/00 H05B33/12 G02F1/1333 G09F9/30 G09F9/00 H01L21/20
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A	US 5 274 481 A (KIM SI H) 28 December 1993 (1993-12-28) * column 3, line 1 - column 4, line 49; figures 3A-5 * ---	2,4	TECHNICAL FIELDS SEARCHED (Int.Cl.7) H05B G02F H01L
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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
THE HAGUE	28 November 2003	Stang, I
CATEGORY OF CITED DOCUMENTS		
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document		

ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.

EP 03 07 7468

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28-11-2003

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